

1 Identification

· 1.1 Product identifier

· Trade name: **Wieland A11**

· 1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

· Application of the substance / the preparation: Semi-finished product

· 1.3 Details of the supplier of the safety data sheet

· Manufacturer/Supplier:

Wieland-Werke AG

Graf-Arco-Straße 36

89079 Ulm (Germany)

Tel.: +49 (0)731/944-0

Fax: +49 (0)731/944-2799

· Information department:

Department testing laboratories

michael.ebner@wieland.de

· 1.4 Emergency telephone number:

Factory security offices

Phone: +49 (0) 731-944-3706

2 Hazard(s) identification

· 2.1 Classification of the substance or mixture

· Classification according to Regulation (EC) No 1272/2008 (CLP-Regulation):

For products there is no obligation to classify acc. to CLP -Regulation.

The product is not classified according to the CLP regulation.

· 2.2 Label elements

· Labelling according to Regulation (EC) No 1272/2008: Void

· Hazard pictograms: Void

· Signal word: Void

· Hazard-determining components of labeling: Void

· Hazard statements: Void

· 2.3 Other hazards

Semi-finished products from aluminium or aluminium-alloys, as offered for sale as manufactured present no health hazard to man or for the aquatic environment.

· Results of PBT and vPvB assessment

· PBT: Not applicable to metals

· vPvB: Not applicable to metals.

3 Composition/information on ingredients

· 3.2 Chemical characterization: Mixtures

· Description: Metal in compact form.

· Information:

The classifications mentioned below reflect the respective pure substance and are for information only.

Aluminium alloys are special preparations according to Regulation (EC) 1907/2006 (REACH Regulation).

The classification of a pure substance is not applicable to its use as element of a aluminium alloy.

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· Components:

CAS: 7429-90-5 EINECS: 231-072-3 RTECS: BD 0330000	aluminium	balance%
CAS: 7440-21-3 EINECS: 231-130-8 RTECS: VW 0400000	silicon	0.6-1.4%
CAS: 7440-31-5 EINECS: 231-141-8 RTECS: XP 7320000	tin	0.6-1.2%
CAS: 7439-95-4 EINECS: 231-104-6 RTECS: OM 2100000	magnesium	0.40-0.9%
CAS: 7440-69-9 EINECS: 231-177-4 RTECS: EB 2600000	bismuth	0.30-0.8%
CAS: 7439-96-5 EINECS: 231-105-1 RTECS: OO 9275000	manganese	0.20-0.6%
CAS: 7440-50-8 EINECS: 231-159-6 RTECS: GL 5325000	copper	0.20-0.50%

4 First-aid measures

· 4.1 Description of first aid measures

· General information:

No special measures required.

First Aid information refer to any dust which is generated.

· After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

· After skin contact: Immediately wash with water and soap and rinse thoroughly.

· After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· After swallowing: Rinse out mouth and then drink plenty of water.

· 4.2 Most important symptoms and effects, both acute and delayed:

No further relevant information available.

· 4.3 Indication of any immediate medical attention and special treatment needed:

No further relevant information available.

5 Fire-fighting measures

· 5.1 Extinguishing media

· Suitable extinguishing agents:

The semi -finished product is not combustible in the form in which it is supplied.

A fire caused by aluminium powder and swarf must only be tackled with dry sand or Class D fire extinguishing agents approved for this purpose.

· 5.2 Special hazards arising from the substance or mixture

No further relevant information available.

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5.3 Advice for firefighters

Protective equipment:

If necessary, protective clothing and respiratory protection masks should be worn.

The local fire brigade can advise you on risks and fire fighting.

6 Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures:** Not required.**6.2 Environmental precautions:** Not required**6.3 Methods and material for containment and cleaning up:**

Dispose of the collected material according to regulations.

6.4 Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage**7.1 Precautions for safe handling:** No special measures required.

Information about protection against explosions and fires: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles: No special requirements.

Further information about storage conditions: None.

7.3 Specific end use(s): No further relevant information available.**8 Exposure controls/personal protection**

Additional information about design of technical systems: No further data; see item 7.

8.1 Control parameters

Components with limit values that require monitoring at the workplace:

7429-90-5 aluminiumPEL Long-term value: 15*; 5** mg/m³

*Total dust; ** Respirable fraction

REL Long-term value: 10* 5** mg/m³

as Al*Total dust**Respirable/pyro powd./welding f.

TLV Long-term value: 1* mg/m³

as Al; *as respirable fraction

7440-21-3 siliconPEL Long-term value: 15* 5** mg/m³

*total dust **respirable fraction

REL Long-term value: 10* 5** mg/m³

*total dust **respirable fraction

TLV TLV withdrawn

7440-31-5 tinPEL Long-term value: 2 mg/m³

metal

REL Long-term value: 2 mg/m³TLV Long-term value: 2 mg/m³

metal

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- Additional information: The lists that were valid during the creation were used as basis.
- **8.2 Exposure controls**
- Personal protective equipment:
- General protective and hygienic measures:
 - Wash hands before breaks and at the end of work.
 - Do not inhale dust / smoke / mist.
- Breathing equipment: Use a suitable industrial gas mask when work-place-limits are exceeded.
- Protection of hands:
 - Protective gloves are recommended, depending upon how the semis are further processed.
- Eye protection:
 - Protective goggles are recommended, depending upon how the semis are further processed.
- Body protection:
 - Wear suitable protective clothing, depending upon how the semis are further processed.

9 Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

- General Information
- Appearance:

Form:	Solid
Color:	grey to silvery grey
Odor:	Odorless
Odor threshold:	Not determined.

- Change in condition
 - Melting point/Melting range: Undetermined.
 - Boiling point/Boiling range: Undetermined.

- Flash point: Not applicable.

- Danger of explosion: Product does not present an explosion hazard.

- Density at 20 °C (68 °F): 2.72 g/cm³ (22.698 lbs/g al) (Lit.)

- Solubility in / Miscibility with
 - Water:

Not soluble.

- **9.2 Other information** No further relevant information available.

10 Stability and reactivity

- **10.1 Reactivity:** Not applicable.
- **10.2 Chemical stability:** Not applicable.
- Thermal decomposition / conditions to be avoided:
 - No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions:** No dangerous reactions known.
- **10.4 Conditions to avoid:** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

· 11.1 Information on toxicological effects

- Acute toxicity: Based on available data, the classification criteria are not met.
- Primary irritant effect:
 - on the skin: Based on available data, the classification criteria are not met.
 - on the eye: Based on available data, the classification criteria are not met.

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- Sensitization: Based on available data, the classification criteria are not met.
- Additional toxicological information:
When used and handled according to specifications, the article does not have any harmful effects to our experience and the information provided to us.

- Carcinogenic categories

· IARC (International Agency for Research on Cancer)
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None of the ingredients is listed.

· NTP (National Toxicology Program)

None of the ingredients is listed.

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information

- **12.1 Toxicity**
- Aquatic toxicity: No further relevant information available.
- **12.2 Persistence and degradability:** No further relevant information available.
- **12.3 Bioaccumulative potential:** No further relevant information available.
- **12.4 Mobility in soil:** No further relevant information available.
- Additional ecological information
- General notes:
Semi-finished articles from aluminium and aluminium-alloy are not soluble in water.
- **12.5 Results of PBT and vPvB assessment**
- PBT: Not applicable to metals.
- vPvB: Not applicable to metals.
- **12.6 Other adverse effects:** No further relevant information available.

13 Disposal considerations

- **13.1 Waste treatment methods**
- Recommendation: Contact manufacturer for recycling information.

14 Transport information

- | | |
|---|-----------------|
| · 14.1 UN-Number | |
| · DOT, ADR, ADN, IMDG, IATA | Void |
| · 14.2 UN proper shipping name | |
| · DOT, ADR, ADN, IMDG, IATA | Void |
| · 14.3 Transport hazard class(es) | |
| · DOT, ADR, ADN, IMDG, IATA | |
| · Class | Void |
| · 14.4 Packing group | |
| · DOT, ADR, IMDG, IATA | Void |
| · 14.5 Environmental hazards: | |
| · Marine pollutant: | No |
| · 14.6 Special precautions for user: | Not applicable. |

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- **14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.

15 Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

- Sara

- Section 355 (extremely hazardous substances):

None of the ingredients is listed.

- Section 313 (Specific toxic chemical listings):

7429-90-5 aluminium

7439-96-5 manganese

7440-50-8 copper

- TSCA (Toxic Substances Control Act):

All ingredients are listed.

- Proposition 65

- Chemicals known to cause cancer:

None of the ingredients is listed.

- Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

- Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

- Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

- Cancerogenity categories

- EPA (Environmental Protection Agency)

7439-96-5 manganese

D

7440-50-8 copper

D

- TLV (Threshold Limit Value established by ACGIH)

7429-90-5 aluminium

A4

- NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

- Chemical safety assessment void.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific article features and shall not establish a legally valid contractual relationship

- Department issuing SDS: Department testing laboratories

- Contact:

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- Date of preparation / last revision 09/11/2017 / 1

- * Data compared to the previous version altered.